

Professional Measuring Technology

Full Range For 2009/2010



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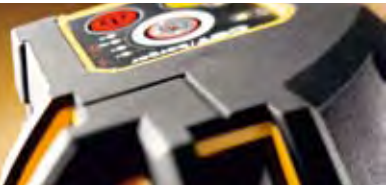
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A circular fan diagram with a yellow-to-white gradient. It shows four radial lines from the center to the outer edge, creating five sectors. The angles between the lines are labeled: 90° (top), 45° (top-right), 10° (middle-right), 10° (bottom-right), and 100° (bottom, highlighted with a red line).

A circular sector diagram with a yellow-to-white gradient background. It shows three concentric arcs and three radial lines meeting at a central point. The angles between the radial lines are labeled: 10° (between the innermost and middle arcs), 45° (between the middle and outermost arcs), and 90° (between the innermost and outermost arcs). A green horizontal line is drawn across the bottom of the sector.



Automatic / Manual Mode



Clockwise and Anti Clockwise Rotation Head Drive



Anti-Drift System



Plumb Beam

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ALH



Electronic self-levelling rotation laser – horizontal single-slope capable

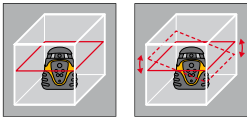
- ▶ Exceptionally high accuracy, long range, robust and waterproof
- ▶ Cross-axis levelling
- ▶ Manual slope capability of ± 10% using keypad

Additional features

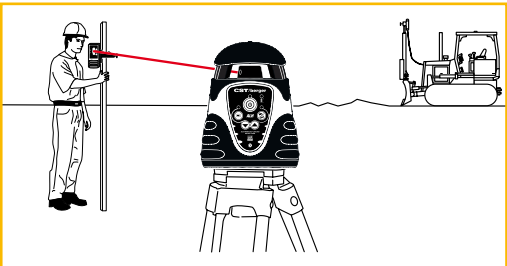
- ▶ Highly visible diode
- ▶ Anti-Drift System

Applications

- ▶ Construction
- ▶ Landscaping
- ▶ Foundations
- ▶ Walls, elevation marking
- ▶ Grading



Technical Specifications	ALH
Part number	F 034 061 A00
Laser diode	650 nm
Laser class	2M
Working range with laser receiver	425 m (radius)
Accuracy	± 0.05 mm/m
Self-levelling range	± 5°
Dust and splash protection	IP67
Rotation speed	600 rpm
Power supply	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH batteries)
Operating time (max.)	Rechargeable batteries (NiMH) 30 h Non-rechargeable batteries 60 h
Tripod connection	5/8"
Length	160 mm
Width	160 mm
Height	215 mm
Weight	2.5 kg
Scope of delivery	
LD440 laser receiver with bracket (F 034 069 100)	✓
1 x NiMH battery pack (1 608 M00 1NA)	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓
2 x 1.5 V LR6 (AA) batteries	✓
Hard carry case	✓



ALHV

Electronic self-levelling rotation laser with plumb beam – dual-slope capable in both horizontal and vertical positions

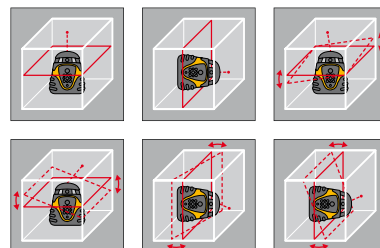
- ▶ Exceptionally high accuracy, long range, robust and waterproof
- ▶ Axis alignment in vertical mode using keypad and remote control
- ▶ Cross-axis levelling

Additional features

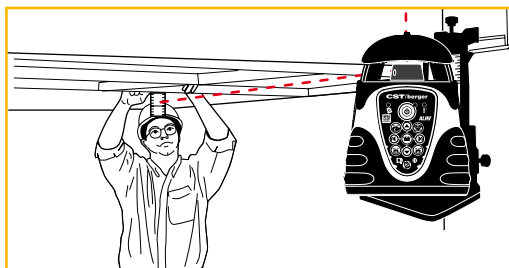
- ▶ Plumb beam
- ▶ Highly visible diode
- ▶ Plumb function in vertical and horizontal mode
- ▶ Anti-Drift System
- ▶ Handle can be used in the 'laydown' position for vertical applications

Applications

- ▶ Civil engineering
- ▶ Landscaping
- ▶ Interior and exterior levelling applications
- ▶ Suspended ceiling installation
- ▶ Drywall installation
- ▶ Tiling
- ▶ Transferring right angles and alignment
- ▶ Setting up batter boards



Technical Specifications	ALHV	ALHVD
Part number	F 034 061 B00	F 034 061 B01
Laser diode	635 nm	635 nm
Laser class	2M	2M
Working range with laser receiver	425 m (radius)	425 m (radius)
Accuracy	± 0.05 mm/m horizontal ± 0.1 mm/m vertical	± 0.05 mm/m horizontal ± 0.1 mm/m vertical
Self-levelling range	± 5°	± 5°
Dust and splash protection	IP67	IP67
Rotation speed	150, 300, 600 rpm	150, 300, 600 rpm
Power supply	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH batteries)	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH batteries)
Operating time (max.)	Rechargeable batteries (NiMH) 30 h Non-rechargeable batteries 60 h	Rechargeable batteries (NiMH) 30 h Non-rechargeable batteries 60 h
Tripod connection	5/8"	5/8"
Length	160 mm	160 mm
Width	160 mm	160 mm
Height	215 mm	215 mm
Weight	2.5 kg	2.5 kg
Scope of delivery		
LD440 laser receiver with bracket (F 034 069 100)	–	✓
RC700 remote control (F 034 069 A00)	✓	✓
Laser glasses (1 608 M00 7N5)	✓	✓
2 x magnetic targets (1 608 M00 8NB)	✓	✓
V-Mount (F 034 092 CN2)	✓	✓
1 x NiMH battery pack (1 608 M00 1NA)	✓	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓	✓
2 x 1.5 V LR6 (AA) batteries	✓	–
4 x 1.5 V LR6 (AA) batteries	–	✓
Hard carry case	✓	✓





ALHVG

Electronic self-levelling rotation laser with green beam

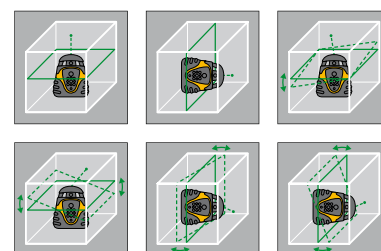
- ▶ Exceptionally high visibility due to green laser beam
- ▶ Exceptionally high accuracy, long range, robust and waterproof
- ▶ Dual-slope capable in both horizontal and vertical positions

Additional features

- ▶ Plumb beam
- ▶ Anti-Drift System
- ▶ Axis alignment in vertical mode using keypad and remote control
- ▶ Plumb function in vertical and horizontal mode
- ▶ Cross-axis levelling

Applications

- ▶ Civil engineering
- ▶ Landscaping
- ▶ Interior fitting work
- ▶ Levelling
- ▶ Suspended ceiling installation
- ▶ Drywall installation
- ▶ Tiling
- ▶ Transferring right angles and alignment
- ▶ Setting up batter boards



Technical Specifications	ALHVG	ALHVG D
Part number	F 034 061 BN9	F 034 061 BN8
Laser diode	532 nm	532 nm
Laser class	2M	2M
Working range with laser receiver	Up to 200 m (radius)	Up to 200 m (radius)
Accuracy	± 0.05 mm/m horizontal ± 0.1 mm/m vertical	± 0.05 mm/m horizontal ± 0.1 mm/m vertical
Self-levelling range	± 5°	± 5°
Dust and splash protection	IP67	IP67
Rotation speed	150, 300, 600 rpm	150, 300, 600 rpm
Power supply	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH battery pack)	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH battery pack)
Operating time (max.)	15 h	15 h
Tripod connection	5/8"	5/8"
Length	160 mm	160 mm
Width	160 mm	160 mm
Height	215 mm	215 mm
Weight	2.5 kg	2.5 kg
Scope of delivery		
LD440G laser receiver with bracket (F 034 069 1N1)	–	✓
RC700 remote control (F 034 069 A00)	✓	✓
Laser glasses (1 608 M00 7N6)	✓	✓
2 x magnetic targets (1 608 M00 8NC)	✓	✓
V-Mount (F 034 092 CN2)	✓	✓
1 x NiMH battery pack (1 608 M00 1NA)	✓	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓	✓
2 x 1.5 V LR6 (AA) batteries	✓	–
4 x 1.5 V LR6 (AA) batteries	–	✓
Hard carry case	✓	✓



ALGRD

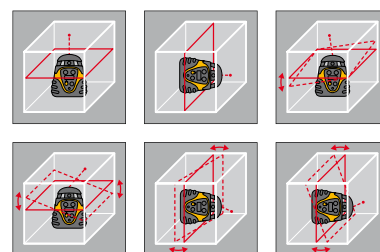


Electronic self-levelling rotation laser with plumb beam

- Dual-slope capability of $\pm 10\%$ in both horizontal and vertical positions using keypad and remote control
- Exceptionally high accuracy, long range, robust and waterproof
- Display for exact setting of slope angles

Applications

- Civil engineering
- Landscaping
- Levelling
- Excavation & site preparation
- Concrete pours
- Transferring right angles and alignment
- Setting up batter boards



Technical Specifications	ALGRD
Part number	F 034 061 EN0
Laser diode	635 nm
Laser class	2M
Working range with laser receiver	425 m (radius)
Accuracy	± 0.05 mm/m
Self-levelling range	$\pm 5^\circ$
Dust and splash protection	IP67
Rotation speed	0-1000 rpm
Power supply	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH batteries)
Operating time (max.)	Rechargeable batteries (NiMH) 30 h Non-rechargeable batteries 60 h
Tripod connection	5/8"
Length	150 mm
Width	156 mm
Height	220 mm
Weight	2.7 kg
Scope of delivery	
LD440 laser receiver with bracket (F 034 069 100)	✓
RC400x remote control (F 034 069 AN7)	✓
1 x NiMH battery pack (1 608 M00 1NA)	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓
4 x 1.5 V LR6 (AA) batteries	✓
Hard carry case	✓



LM800DPI

Electronic self-levelling rotation laser with upward and downward plumb beam – dual-slope capable in both horizontal and vertical positions

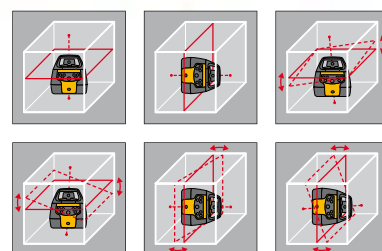
- Dual-slope capable in both horizontal and vertical positions
- Exceptionally high accuracy
- Exceptionally long range

Additional features

- Robust and waterproof
- Plumb beam
- Highly visible diode
- Axis alignment in vertical mode using keypad and remote control
- Plumb function in vertical and horizontal mode
- Cross-axis levelling

Applications

- Levelling
- Interior fitting work
- Suspended ceiling installation
- Drywall installation
- Tiling
- Transferring right angles
- Alignment



Technical Specifications	LM800DPI
Part number	F 034 061 9NE
Laser diode	635 nm
Laser class	2M
Working range with laser receiver	425 m (radius)
Accuracy	± 0.05 mm/m horizontal ± 0.1 mm/m vertical
Self-levelling range	± 5°
Dust and splash protection	IP67
Rotation speed	150, 300, 600 rpm
Power supply	NiMH rod-shape battery
Operating time (max.)	15 h
Tripod connection	5/8"
Length	159 mm
Width	162 mm
Height	203 mm
Weight	2.5 kg
Scope of delivery	
LD400 laser receiver with bracket (F 034 069 000)	✓
RC700 remote control (F 034 069 A00)	✓
Laser glasses (1 608 M00 7N5)	✓
2 x magnetic targets (1 608 M00 8NB)	✓
V-Mount (F 034 092 CN2)	✓
1 x NiMH battery pack (1 608 M00 1N9)	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓
2 x 1.5 V LR6 (AA) batteries	✓
1 x 9 V 6LR61 Block	✓
Hard carry case	✓





LM800GR

Electronic self-levelling rotation laser – horizontal dual-slope capable

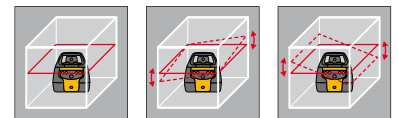
- ▶ Horizontal dual-slope capable
- ▶ Exceptionally high accuracy
- ▶ Exceptionally long range

Additional features

- ▶ Robust and waterproof
- ▶ Highly visible diode
- ▶ Cross-axis levelling

Applications

- ▶ Civil engineering
- ▶ Excavation work
- ▶ Driveways and paving
- ▶ Walls
- ▶ Elevation marking
- ▶ Grading
- ▶ Landscaping



Technical Specifications	LM800GR
Part number	F 034 061 9NG
Laser diode	650 nm
Laser class	2M
Working range with laser receiver	425 m (radius)
Accuracy	± 0.05 mm/m
Self-levelling range	± 5°
Dust and splash protection	IP67
Rotation speed	600 rpm
Power supply	NiMH rod-shape battery
Operating time (max.)	15 h
Tripod connection	5/8"
Length	159 mm
Width	162 mm
Height	203 mm
Weight	2.5 kg
Scope of delivery	
LD400 laser receiver with bracket (F 034 069 000)	✓
RC700 remote control (F 034 069 A00)	✓
1 x NiMH battery pack (1 608 M00 1N9)	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓
2 x 1.5 V LR6 (AA) batteries	✓
1 x 9 V 6LR61 Block	✓
Hard carry case	✓

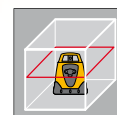


LMH-CU

Electronic self-levelling rotation laser – horizontal

- Fast levelling – at the push of a button
- Splashproof housing
- Automatic horizontal self-levelling

Technical Specifications	LMH-CU
Part number	F 034 061 700
Laser diode	650 nm
Laser class	2M
Working range with laser receiver	305 m (radius)
Accuracy	± 0.08 mm/m
Self-levelling range	± 3°
Dust and splash protection	IP54
Rotation speed	600 rpm
Power supply	4 x 1.5 V LR20 (D) or 4 x 1.2 V HR20 (D) (NiMH batteries)
Operating time (max.)	Rechargeable batteries (NiMH) 30 h Non-rechargeable batteries 60 h
Tripod connection	5/8"
Length	160 mm
Width	160 mm
Height	215 mm
Weight	2.5 kg
Scope of delivery	
LD400 laser receiver with bracket (F 034 069 000)	✓
1 x NiMH battery pack (1 608 M00 1NA)	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓
1 x 9 V 6LR61 Block	✓
Hard carry case	✓



LM30DUI

Manual-levelling rotation laser with plumb beam

- Manual alignment with vials
- Single-button operation
- Upward plumb beam

Technical Specifications	LM30DUI
Part number	F 034 061 07B
Laser diode	635 nm
Laser class	2M
Working range with laser receiver	120 m (radius)
Accuracy	± 0.2 mm/m
Self-levelling range	Manual
Rotation speed	150, 600 rpm
Power supply	3 x 1.5 V LR6 (C)
Operating time (max.)	60 h
Tripod connection	5/8"-11
Length	100 mm
Width	90 mm
Height	180 mm
Weight	1.1 kg
Scope of delivery	
RC30 remote control	✓
LD400 laser receiver with bracket	✓
Magnetic target	✓
Wizmount wall mount	✓
4 x 1.5 V LR6 (C) batteries	✓
Hard carry case	✓



LD400

Robust, loud and accurate universal laser receiver

- Universal bracket for mounting on square, round and oval measuring rods or similar
- Front and back displays
- Three levels of sensitivity

Additional features

- 7 display channels
- Concise keypad with on and off button
- Sensitivity button and speaker volume button
- Rubber reinforcement to protect against impact, and splashproof seal
- Automatic shutdown after 5–8 minutes
- Direction memory (displays the side on which the laser signal has left the laser reception range)

Applications

- Can be used with all rotation lasers



Technical Specifications	LD400
Part number	F 034 069 000
Range	Up to 425 m
Power supply	1 x 9 V 6LR61 Block
Dust and splash protection	IP55
Accuracy	0.75/1.5/3.0 mm
Length	25 mm
Width	76 mm
Height	169 mm
Weight	275 g
Scope of delivery	
Bracket (F 034 092 BN7)	✓
1 x 9 V 6LR61 Block	✓

LD440

Professional universal laser receiver for rotation lasers for all applications

- Seven-channel height display indicates the position of the LD440 in relation to the plane of the laser beam
- Direction memory (displays the side on which the laser signal has left the laser reception range)
- Electronic filter (protects against direct sunlight and electromagnetic radiation)

Additional features

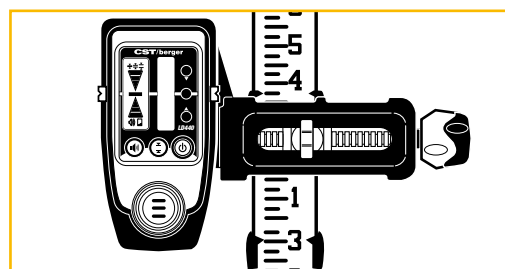
- Three levels of speaker volume with 3 distinct tones
- Rubber reinforcement to protect against impact
- Automatic shutdown after 5–8 minutes

Applications

- Can be used with all rotation lasers



Technical Specifications	LD440
Part number	F 034 069 100
Range	Up to 425 m
Power supply	2 x 1.5 V LR6 (AA)
Dust and splash protection	IP67
Accuracy	0.75/1.5/3.0 mm
Length	30 mm
Width	78 mm
Height	154 mm
Weight	0.25 kg
Scope of delivery	
Bracket (F 034 092 BN8)	✓
2 x 1.5 V LR6 (AA) batteries	✓



LD440G

Professional universal laser receiver for lasers with a green beam

- ▶ Seven-channel height display indicates the position of the LD440G in relation to the plane of the laser beam
- ▶ Direction memory (displays the side on which the laser signal has left the laser reception range)
- ▶ Electronic filter (protects against direct sunlight and electromagnetic radiation)

Additional features

- ▶ Three levels of speaker volume with 3 distinct tones
- ▶ Rubber reinforcement to protect against impact
- ▶ Automatic shutdown after 5–8 minutes

Applications

- ▶ Can be used with all rotation lasers with a green beam



Technical Specifications	LD440G
Part number	F 034 069 1N1
Range	Up to 425 m
Power supply	2 x 1.5 V LR6 (AA)
Dust and splash protection	IP67
Accuracy	0.75/1.5/3.0 mm
Length	30 mm
Width	78 mm
Height	154 mm
Weight	0.25 kg
Scope of delivery	
Bracket (F 034 092 BN8)	✓
2 x 1.5 V LR6 (AA) batteries	✓

LD500

Electronic machine control receiver for rotation lasers

- ▶ Strong magnets for mounting on excavators etc.
- ▶ Extra large 13cm reception field
- ▶ 240° field of reception

Additional features

- ▶ Adjustable accuracy to suit specific requirements
- ▶ Sturdy Lexan housing: designed for harsh construction applications

Applications

- ▶ Construction work
- ▶ Ground works
- ▶ Trenching
- ▶ Grade & slope work
- ▶ All applications with rotation lasers



Technical Specifications	LD500
Part number	F 034 069 9N0
Range	Up to 200 m
Power supply	2 x 1.5 V LR6 (AA)
Dust and splash protection	IP54
Accuracy	5/10/25 mm
Length	170 mm
Width	110 mm
Height	40 mm
Weight	0.8 kg
Scope of delivery	
Bracket (F 034 092 BN9)	✓
2 x 1.5 V LR6 (AA) batteries	✓

LD90

Laser receiver for indoor and outdoor use

- Sturdy magnets for ceiling applications
- Clearly visible blue LED that acts as a centre mark
- Robust rubber-coated housing

Applications

- Can be used with all rotation lasers



Technical Specifications	LD90
Part number	F 034 069 4N0
Range	Up to 150 m
Power supply	1 x 9 V 6LR61 Block
Accuracy	0.05/0.1 mm
Length	132 mm
Width	57 mm
Height	30 mm
Weight	0.2 kg
Scope of delivery	
Bracket	✓
1 x 9 V 6LR61 Block	✓



Remote controls



RC400X

- Remote control
- Range of up to 30 m.

► Suitable for ALGR

RC400X

Part number

F 034 069 AN7



RC700

- Remote control
- Range of up to 30 m. Setting the rotation speed.
- Aligning the vertical plane.

► Suitable for ALH, ALHV, ALHVG, LM800

RC700

Part number

F 034 069 A00

Wall mount



V-MOUNT

Part number

- Wall mount for use on ceilings and walls

For mounting lasers during interior fitting work. 5/8" thread, with clamp for mounting on ceilings or wall studs

- **Suitable for** rotation, line and point lasers with 5/8" tripod fitting

V-MOUNT

F 034 092 CN2

Chargers and batteries



57-CHNMEU

Part number

- Universal charger for rotation lasers

- **Suitable for** AL series, LM800

57-CHNMEU

1 608 M00 2NE



57-NMB700

Part number

- Battery (nickel metal hydride)

For use with rotation lasers.

- **Suitable for** AL series, LMH series

57-NMB700

1 608 M00 1NA



57-NMB1000

Part number

- Battery (nickel metal hydride)

For use with rotation lasers.

- **Suitable for** LM800 series

57-NMB1000

1 608 M00 1N9

Laser glasses and targets



GLASSES

Part number

- Laser glasses

For better visibility of the red laser beam in bright conditions and over longer distances.

- **Suitable for** all lasers with a red laser beam

GLASSES

1 608 M00 7N5



GLASSES-G

Part number

- Laser glasses

For better visibility of the green laser beam in bright conditions and over longer distances.

- **Suitable for** all lasers with a green laser beam

GLASSES-G

1 608 M00 7N6

Laser glasses and targets



TARGET

Part number

- Target for lasers with a red beam

Target for use with lasers during interior work. With magnetic base for attaching to ceiling T-bars and wall studs. With cm and inch graduations.

- **Suitable for** lasers with a red beam

TARGET

1 608 M00 8NB



TARGET-G

Part number

- Target for lasers with a green beam

Target for use with lasers during interior work. With magnetic base for attaching to ceiling T-bars and wall studs. With cm and inch graduations.

- **Suitable for** lasers with a green beam

TARGET-G

1 608 M00 8NC

Brackets for laser receivers



RB400

Part number

- Bracket for laser receiver

- **Suitable for** LD400, LLD20

RB400

F 034 092 BN7



RB440

Part number

- Bracket for laser receiver

- **Suitable for** LD440, LD440G, XLD2

RB440

F 034 092 BN8



RB500

Part number

- Bracket for laser receiver

- **Suitable for** LD500

RB500

F 034 092 BN9

Laser grade adapter



58-LGA

Part number

- Laser grade adapter

Sets the laser to the desired grade. ± 10 -minute display.

5/8"-11 thread.

- **Suitable for** ALH, ALHV, ALHVG, ALGRD, LM800DPI, LM800G, LMH-CU

58-LGA

F 034 092 6N1



GIZLT-3

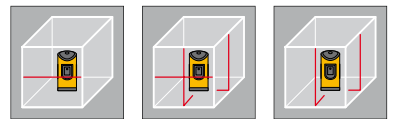
Self-levelling line laser for indoor and outdoor use

- Horizontal levelling beam, 2 vertical plumb lines at a 90° angle
- Long working range in combination with the LLD20 receiver
- Manual mode for tilting

Additional features

- Laser cross
- Additional 90° line

Technical Specifications	GIZLT-3
Part number	F 034 063 900
Laser diode	635 nm
Laser class	2
Working range	Up to 10 m
Working range with laser receiver	Up to 30 m
Accuracy	± 0.4 mm/m
Self-levelling range	± 4°
Dust and splash protection	IP55
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	25 h
Tripod connection	5/8"
Length	80 mm
Width	80 mm
Height	160 mm
Weight	0.7 kg
Scope of delivery	
Wall mount	✓
Laser glasses	✓
3 x 1.5 V LR6 (AA) batteries	✓
Fabric bag	✓



ILMXL

Small, handy, high-performance line laser

- Laser cross
- Manual mode for tilting
- Comprehensive scope of delivery

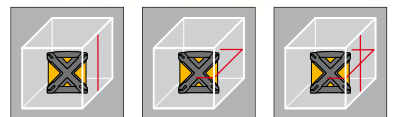
Additional features

- Horizontal levelling line
- Vertical plumb line

Applications

- Laying floor and wall tiles
- Fitting cabinets and shelves

Technical Specifications	ILMXL
Part number	F 034 063 100
Laser diode	635 nm (2)
Laser class	2M
Working range	Up to 30 m
Accuracy	± 0.4 mm/m
Self-levelling range	±4°
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	20 h
Tripod connection	1/4" x 20
Length	95 mm
Width	70 mm
Height	90 mm
Weight	0.4 kg
Scope of delivery	
Magnetic mini tripod (F 034 091 LN3)	✓
3 x 1.5 V LR6 (AA) batteries	✓
Fabric bag	✓



ILM-XT

Line laser for indoor and outdoor use

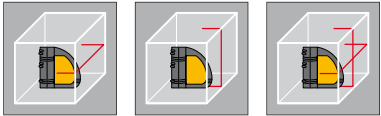
- ▶ Laser cross
- ▶ Easy operation and high precision
- ▶ Range of up to 30 m in combination with LLD20 receiver

Additional features

- ▶ Can also be used in bright conditions with the LLD20 receiver
- ▶ Horizontal levelling beam
- ▶ Vertical plumb line
- ▶ Manual mode for tilting
- ▶ Comprehensive scope of delivery

Applications

- ▶ Interior fitting work
- ▶ Remodelling projects
- ▶ Installing walls and pipes
- ▶ Installing ceiling grids
- ▶ Laying floor and wall tiles
- ▶ Fitting cabinets and shelves
- ▶ Outdoor levelling
- ▶ Patios
- ▶ Panelling



Technical Specifications	ILM-XT	ILM-XTE
Part number	F 034 063 500	F 034 063 5N2
Laser diode	635 nm	635 nm
Laser class	2M	2M
Working range	Up to 15 m	Up to 15 m
Working range with laser receiver	Up to 30 m	Up to 30 m
Accuracy	± 0.3 mm/m	± 0.3 mm/m
Self-levelling range	± 5°	± 5°
Dust and splash protection	IP55	IP55
Power supply	3 x 1.5 V LR6 (AA)	3 x 1.5 V LR6 (AA)
Operating time (max.)	25 h	25 h
Tripod connection	1/4" x 20	1/4" x 20
Length	100 mm	100 mm
Width	65 mm	65 mm
Height	110 mm	110 mm
Weight	0.9 kg	0.9 kg
Scope of delivery		
Magnetic mini tripod (F 034 091 LN3)	✓	✓
LLD20 receiver with bracket	–	✓
3 x 1.5 V LR6 (AA) batteries	✓	–
5 x 1.5 V LR6 (AA) batteries	–	✓
Hard carry case	✓	✓



ILM-XTG

Line laser with green beam for professional interior fitting work

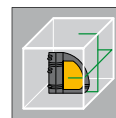
- ▶ Exceptionally high visibility due to green laser beam
- ▶ Self-levelling
- ▶ Laser cross

Additional features

- ▶ Horizontal levelling beam and vertical plumb line
- ▶ Manual mode for tilting

Applications

- ▶ Installing drywalls
- ▶ Interior fitting work
- ▶ Remodelling projects
- ▶ Installing walls and pipes
- ▶ Installing ceiling grids
- ▶ Laying floor and wall tiles
- ▶ Fitting cabinets and shelves



Technical Specifications	ILM-XTG
Part number	F 034 063 7N1
Laser diode	532 nm green
Laser class	2M
Working range	Up to 30 m
Accuracy	± 0.3 mm/m
Self-levelling range	± 5°
Dust and splash protection	IP 55
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	12 h
Tripod connection	1/4" x 20
Length	100 mm
Width	65 mm
Height	110 mm
Weight	0.9 kg
Scope of delivery	
Magnetic mini tripod (F 034 091 LN3)	✓
Charger	✓
3 x NiMH batteries	✓
Hard carry case	✓



XLP34

High-performance line laser for indoor and outdoor use

- Self-levelling
- 1 horizontal laser line plus 2 vertical laser lines arranged at a 90° angle
- Downward plumb beam, upward plumb point

Additional features

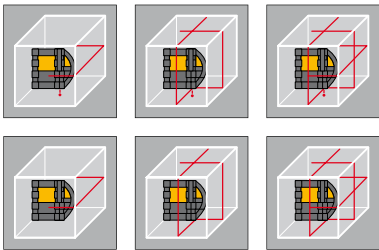
- Downward plumb beam that can be switched on separately in all operating modes

Outdoor applications

- Levelling of concrete formwork and frames, and alignment at a 90° angle
- Patios and courtyards
- Landscaping
- Bricklaying

Indoor applications

- Floor and wall tiles
- Interior design at a 90° angle
- Cabinets and shelves
- Pipes and conduits
- Interior fitting work
- Point transfer



Technical Specifications	XLP34	XLP34PKG
Part number	F 034 063 800	F 034 063 8N1
Laser diode	635 nm	635 nm
Laser class	2M	2M
Working range	Up to 30 m	Up to 30 m
Working range with laser receiver	Up to 70 m	Up to 70 m
Accuracy	0.15 mm/m	0.15 mm/m
Self-levelling range	± 5°	± 5°
Dust and splash protection	IP55	IP55
Power supply	3 x 1.5 V LR6 (AA)	3 x 1.5 V LR6 (AA)
Tripod connection	1/4" x 20	1/4" x 20
Length	130 mm	130 mm
Width	110 mm	110 mm
Height	110 mm	110 mm
Weight	0.7 kg	0.7 kg
Scope of delivery		
Magnetic mini tripod (F 034 091 LN3)	✓	✓
XLD2 laser receiver (F 034 069 BN1)	–	✓
B-Mount	–	✓
2 x magnetic targets (1 608 M00 8NB)	✓	✓
Laser glasses (1 608 M00 7N5)	✓	✓
3 x 1.5 V LR6 (AA) batteries	✓	–
5 x 1.5 V LR6 (AA) batteries	–	✓
Hard carry case	✓	✓



LM2

Tile laser

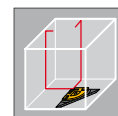
- Projects a 90° angle onto floors and walls
- Projects vertical laser lines
- Vertical lines are set using the adjustable feet and level vials

Additional features

- Very easy to operate

Applications

- Laying floor and wall tiles
- Panelling
- Installing drywalls



Technical Specifications	LM2
Part number	F 034 064 101
Laser diode	635 nm
Laser class	2M
Working range	Up to 30 m
Accuracy	± 0.6 mm at 18 m
Self-levelling range	Manual
Dust and splash protection	IP55
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	30 h
Length	250 mm
Width	140 mm
Height	55 mm
Weight	0.5 kg
Scope of delivery	
2 x magnetic targets (1 608 M00 8NB)	✓
3 x 1.5 V LR6 (AA) batteries	✓
Fabric bag	✓



LLD20

Line laser receiver

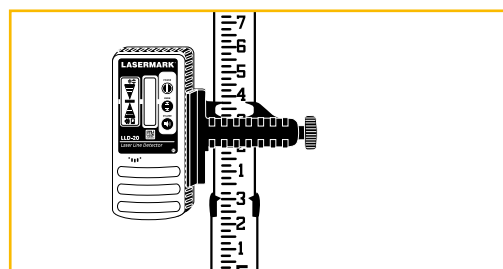
- ▶ Seven-channel height display indicates the position of the LLD20 in relation to the plane of the laser beam
- ▶ Direction memory (displays the side on which the laser signal has left the laser reception range)
- ▶ Electronic filter protects against direct sunlight and electromagnetic radiation

Additional features

- ▶ Dual-sided LCD display with full function overview and graphical display: power on/off indicator, battery charge monitoring, accuracy setting, speaker volume
- ▶ Rubber reinforcement to protect against impact, and splashproof seal
- ▶ Automatic shutdown after 5–8 minutes

Applications

- ▶ Can be used with line lasers with a pulse function



Technical Specifications	LLD20
Part number	F 034 069 700
Range	Up to 30 m
Power supply	1 x 9 V 6LR61 Block
Dust and splash protection	IP55
Accuracy	1.3/2.5 mm
Length	25 mm
Width	76 mm
Height	169 mm
Weight	0.3 kg
Scope of delivery	
Bracket	✓
1 x 9 V 6LR61 Block	✓
Fabric bag	✓

XLD2

Professional line laser receiver

- ▶ Seven-channel height display indicates the position of the XLD2 in relation to the plane of the laser beam
- ▶ Direction memory (displays the side on which the laser signal has left the laser reception range)
- ▶ Electronic filter protects against direct sunlight and electromagnetic radiation

Additional features

- ▶ Concise keypad with on and off button
- ▶ Rubber reinforcement to protect against impact
- ▶ Automatic shutdown after 5–8 minutes

Applications

- ▶ Can be used with line lasers with a pulse function



Technical Specifications	XLD2
Part number	F 034 069 BN1
Range	Up to 90 m
Power supply	2 x 1.5 V LR6 (AA)
Dust and splash protection	IP67
Accuracy	1.3/2.5 mm
Length	25 mm
Width	76 mm
Height	152 mm
Weight	0.3 kg
Scope of delivery	
Bracket (F 034 092 BN8)	✓
2 x 1.5 V LR6 (AA) batteries	✓

Accessories for Line Lasers



B-MOUNT

► Batter board mount

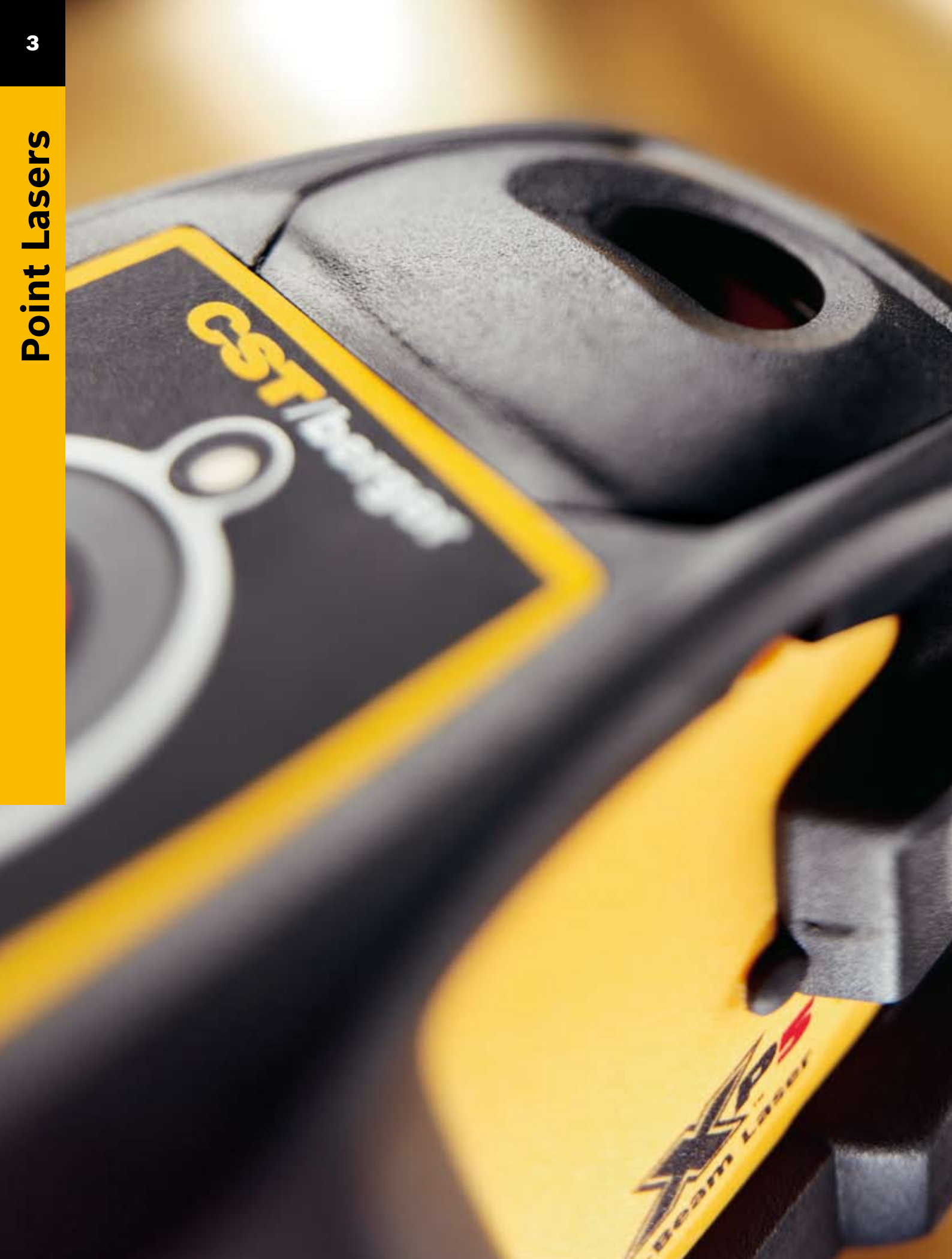
► Suitable for XLP34

B-MOUNT

Part number

F 034 092 4N0





MP3

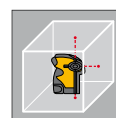
Self-levelling 3-beam point laser with magnetic universal mount

- High accuracy with clearly visible laser points

Applications

- Aligning 90° angles
- Point transfer
- Levelling work

Technical Specifications	MP3
Part number	F 034 066 0N0
Laser diode	650 nm
Laser class	2M
Working range	Up to 30 m
Accuracy	± 0.2 mm/m
Dust and splash protection	IP54
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	40 h
Tripod connection	1/4"
Length	107 mm
Width	64 mm
Height	115 mm
Weight	0.5 kg
Scope of delivery	
Universal mount with 1/4" and 5/8" connection	✓
Target	✓
Strap	✓
3 x 1.5 V LR6 (AA) batteries	✓
Fabric bag	✓



XP5

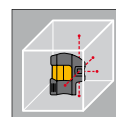
Self-levelling 5-beam point laser with magnetic universal mount

- High accuracy with clearly visible laser points
- Rubber reinforcement to protect against impact, and splashproof seal

Applications

- Ideal for plumb and levelling work at a right angle
- Point transfer
- Levelling work

Technical Specifications	XP5
Part number	F 034 066 500
Laser diode	635 nm
Laser class	2M
Working range	Up to 30 m
Accuracy	± 0.16 mm/m
Dust and splash protection	IP54
Power supply	3 x 1.5 V LR6 (AA)
Operating time (max.)	70 h
Tripod connection	1/4"
Length	98 mm
Width	68 mm
Height	104 mm
Weight	0.4 kg
Scope of delivery	
Universal mount with 1/4" and 5/8" connection	✓
Target	✓
Strap	✓
3 x 1.5 V LR6 (AA) batteries	✓
Fabric bag	✓
Hard carry case	✓





CST302R/305R

User-friendly, powerful electronic total station with superior optics

- ▶ Accuracy of 2 seconds (CST302R) or 5 seconds (CST305R)
- ▶ Pre-installed, high-performance software
- ▶ Large, dual-sided display

Additional features

- ▶ Internal memory of 15,000 points
- ▶ Working range up to 200 m without a prism and up to 3,000 m with one prism
- ▶ Data upload and data transfer through RS-232, USB port or SD card
- ▶ Menu languages: English, German, French, Spanish, Portuguese

Applications

- ▶ Surveying
- ▶ Construction
- ▶ Mapping
- ▶ GIS
- ▶ Utilities
- ▶ Environmental studies
- ▶ Geomarking



Technical Specifications	CST302R	CST305R
Part number	F 034 053 2N0	F 034 053 3N0
Magnification	30x	30x
Resolving power	4.0"	4.0"
Field of view	1°30'	1°30'
Minimum focus	1.3 m	1.3 m
Distance measurement with 1 prism	Up to 3,000 m	Up to 3,000 m
Angular accuracy	2"	5"
Internal memory	15,000 points	15,000 points
Tripod connection	5/8"-11	5/8"-11
Weight	9.1 kg (with hard carry case)	9.1 kg (with hard carry case)
Scope of delivery		
Software	✓	✓
Tool kit	✓	✓
Sunshade	✓	✓
Rain cover	✓	✓
Plumb bob	✓	✓
2 x batteries (NiMH)	✓	✓
Charger with EU/UK power cable (1 608 M00 2NE)	✓	✓
Cable (1 608 M00 3N1)	✓	✓
Hard carry case	✓	✓



Accessories for Total Stations

4

56-CHCTS

► Charger for electronic total station

► **Suitable for** CST302R, CST305R

56-CHCTS

Part number

1 608 M00 2N4

56-NMH300

► Battery pack for electronic total station

► **Suitable for** CST302R, CST305R

56-NMH300

Part number

1 608 M00 1NJ

56-CST9PIN

► Data transfer cable for electronic total station

► **Suitable for** CST302R, CST305R

56-CST9PIN

Part number

1 608 M00 3N1



Accessories for Total Stations



63-1010-O, 63-1010-Y

Part number

- Prism with all metal holder and target plate - Optima Series
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
Fully compatible with leading manufacturers. Locking screw for tilt setting. Bayonet adapter with 5/8"-11 inner thread.

► **Suitable for** CST302R, CST305R

63-1010-O (Orange)	F 034 055 2NG
63-1010-Y (Yellow)	F 034 055 2N5



63-1010V-O

Part number

- Prism with all metal holder and target plate (orange) – Value Line
0/-30 mm offset, Optima series. Fully compatible with leading manufacturers.
Locking screw for tilt setting. Bayonet adapter with 5/8"-11 inner thread.

► **Suitable for** CST302R, CST305R

63-1010V-O (Orange)	F 034 055 2NE
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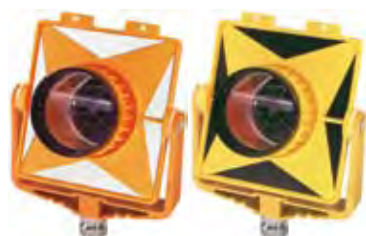
63-1012-O, 63-1012-Y

Part number

- All metal holder and target plate

► **Suitable for** prism 63-2011-O, 63-2011-Y

63-1012-O (Orange)	F 034 055 2NL
63-1012-Y (Yellow)	F 034 055 2NJ



63-2010M-O, 63-2010M-Y

Part number

- Prism with plastic target plate
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
Durable and robust aluminium holder. Fully compatible with leading manufacturers.
Holder with tilt of up to 350°. Bayonet adapter with 5/8"-11 inner thread.

► **Suitable for** CST302R, CST305R

63-2010M-O (Orange)	F 034 055 1N8
63-2010M-Y (Yellow)	F 034 055 1N6



63-2012M-O

Part number

- Holder and target plate*

Durable and robust aluminium holder. Plastic target plate. Fully compatible with leading manufacturers. Holder with tilt of up to 350°. Bayonet adapter with 5/8"-11 inner thread.

► **Suitable for** prism 63-2011-O, 63-2011-Y

63-2012M-O (Orange)	F 034 055 3N6
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* Supplied without prism



63-2011-O, 63-2011-Y

Part number

- Prism
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
Fully compatible with leading manufacturers.

► **Suitable for** 63-1012-O, 63-1012-Y, 63-2012M-O

63-2011-O (Orange)	F 034 055 1NG
63-2011-Y (Yellow)	F 034 055 1NE

Accessories for Total Stations



63-2011V-O

Part number

- Prism in canister (orange) – Value Line
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
Fully compatible with leading manufacturers.

► **Suitable for** 63-1012-O, 63-1012-Y, 63-2012M-O

63-2011V-O (Orange)

F 034 055 1NS



63-2600-O

Part number

- Triple prism with all metal holder and target plate
0/-30 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
Three hermetically sealed prisms. Bayonet adapter with 5/8"-11 inner thread.

► **Suitable for** CST302R, CST305R

63-2600-O (Orange)

F 034 055 5N1



63-3023

Part number

- Prism with all metal holder and target plate
-34 mm offset. Leica® type H.I. and push-button mounting. High-precision, copper-coated prism. Snap-in prisms are compatible with Leica®/Wild type holders and prisms. GPH1 prism and holder (centrally symmetrical point in the standing axis of the prism carrier).

► **Suitable for** CST302R, CST305R

63-3023

F 034 055 4NA



63-3022

Part number

- Prism with holder
-34 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
GPH1-compatible with snap-in lock. Made of high-strength plastic, copper-coated. Centrally symmetrical point in the standing axis of the prism carrier (visible prism centre).

► **Suitable for** CST302R, CST305R

63-3022

F 034 055 4N9



63-3024

Part number

- Prism
-34 mm offset. Precision ground to an accuracy of 2.5 arc seconds (62.5 mm).
GPH1-compatible with snap-in lock. Made of high-strength plastic, copper-coated. Centrally symmetrical point in the standing axis of the prism carrier (visible prism centre).

► **Suitable for** prism holder 63-3025

63-3024

F 034 055 4NB



63-3025

Part number

- Prism holder
Made of high-strength plastic.

► **Suitable for** prism 63-3024

63-3025

F 034 055 4NC

Accessories for Total Stations



63-4000

Part number

► Reflector system

-34 mm offset. Ideal for working at short distances (up to 200 m), e.g. convergence measurements in tunnel construction. Compatible with Wild type plug-in stud.

► Suitable for CST302R, CST305R

63-4000

F 034 005 5N0



65-1500M

Part number

► Universal mini prism with metal holder and accessories

0/-30 mm offset. Diameter of 25.4 mm, sealed. 5/8"-11 thread. Precision ground to an accuracy of 2 arc seconds. Side-mounted circular vial.

► Suitable for CST302R, CST305R

65-1500M-C (Chartreuse)

F 034 055 6N4

65-1500M-R (Red)

F 034 055 6N5



65-1700-R

Part number

► Mini prism stake out pole system

Precise 25.4-mm mini prism with 0/-30 mm offset. M6 thread connection at top and bottom.

Precision prism pole. Supplied with fabric bag.

► Suitable for CST302R, CST305R

65-1700-R

F 034 055 BN3



65-3500M

Part number

► Mini prism with all metal holder and target plate

With fabric bag and batter board point. -34 mm offset. Side-mounted circular vial.

► Suitable for CST302R, CST305R

65-3500M

F 034 055 CN1

Theodolites



DGT

Powerful digital theodolite

- Accuracy of 2 seconds (DGT2) or 5 seconds (DGT10)
- Easy and precise angle measurement
- Large, dual-sided display

Additional features

- Comprehensive range of accessories

Applications

- Suitable for all angle measurements on the construction site

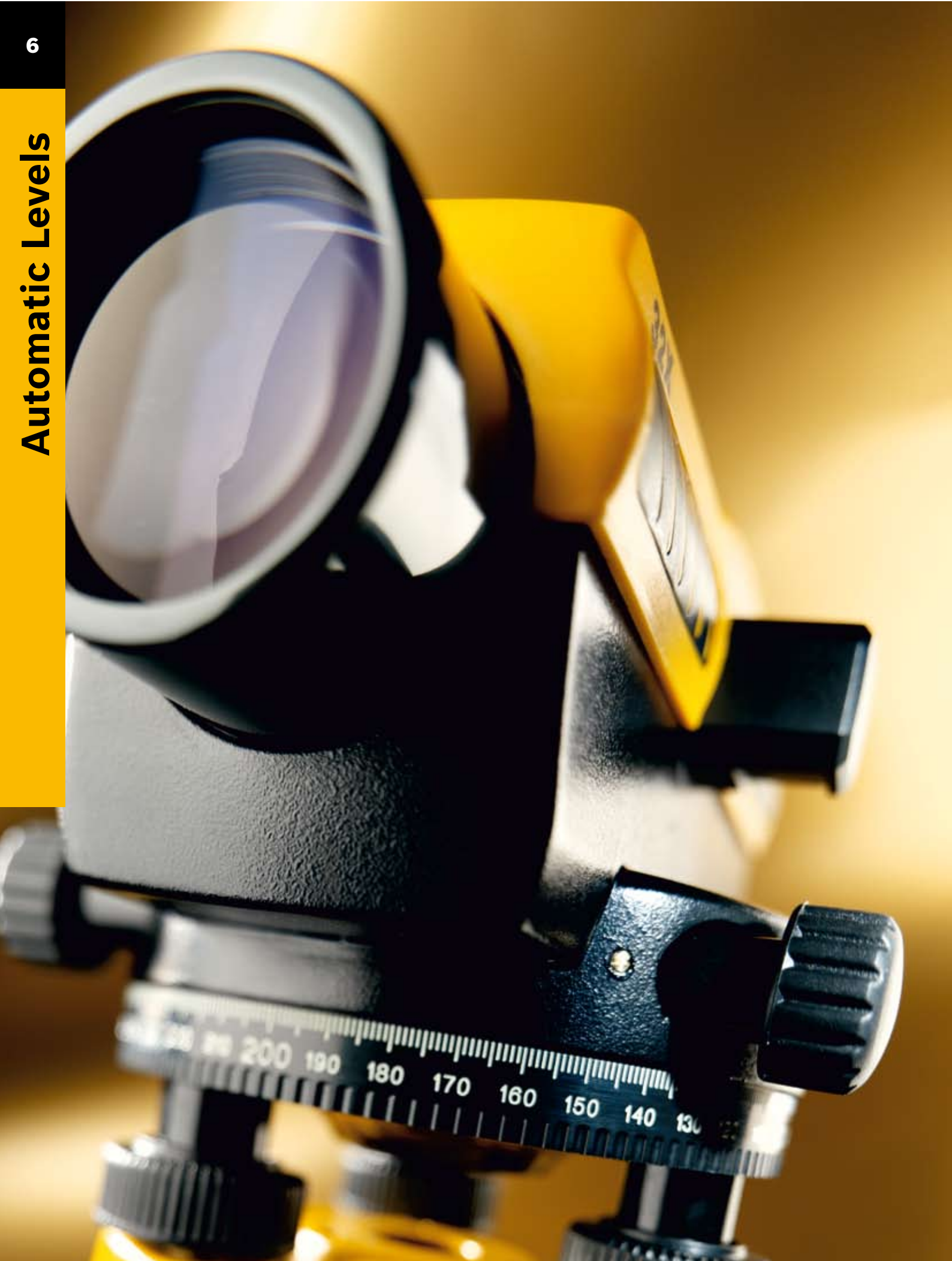


Technical Specifications	DGT10	DGT2
Part number	F 034 054 3N0	F 034 054 3N1
Angular accuracy	5"	2"
Magnification	30x	30x
Resolving power	2.5"	2.5"
Field of view	1°30'	1°30'
Minimum focus	1.3 m	1.3 m
Circle graduations	360°/400 gons	360°/400 gons
Tripod connection	5/8"-11	5/8"-11
Weight	4.5 kg	4.5 kg
Scope of delivery		
Sunshade	✓	✓
Rain cover	✓	✓
Tool kit	✓	✓
Drying cloth	✓	✓
Plumb bob	✓	✓
Batteries	✓	✓
Hard carry case	✓	✓

Accessories for Theodolites



DTEP	Part number
► Diagonal eyepiece	
► Suitable for DGT10, DGT2	
DTEP	1 608 M00 7N4



PAL series

Automatic level with 22x or 26x magnification

- ▶ Sturdy metal housing with rubber reinforcement
- ▶ Fast aperture
- ▶ Magnetically dampened compensator

Additional features

- ▶ Circular vial with penta prism
- ▶ Fine motion knobs on both sides with friction-braked rotation, endless horizontal drive
- ▶ Large focussing knob
- ▶ Target collimator
- ▶ Graduated circle with either 360 degrees or 400 gons
- ▶ Compensator lock (transport lock)

Applications

- ▶ Patios
- ▶ Landscaping
- ▶ General construction
- ▶ Foundations
- ▶ Road construction
- ▶ Excavation



Technical Specifications	PAL22D	PAL22G	PAL26D	PAL26G
Part number	F 034 068 7N4	F 034 068 7N7	F 034 068 8NE	F 034 068 8NH
Unit of measure	Degrees	Gons	Degrees	Gons
Magnification	22x	22x	26x	26x
Working range	76 m	76 m	99 m	99 m
Levelling accuracy	0.1 mm/m	0.1 mm/m	0.05 mm/m	0.05 mm/m
Angular accuracy	1°	1 gon	1°	1 gon
Compensator setting accuracy	± 0.8"	± 0.8"	± 0.5"	± 0.5"
Clear objective aperture	36 mm	36 mm	40 mm	40 mm
Length	220 mm	220 mm	220 mm	220 mm
Width	70 mm	70 mm	70 mm	70 mm
Height	150 mm	150 mm	150 mm	150 mm
Weight	1.9 kg	1.9 kg	1.9 kg	1.9 kg
Scope of delivery				
Lens cover	✓	✓	✓	✓
Plumb bob	✓	✓	✓	✓
Allen wrench	✓	✓	✓	✓
Adjusting pin	✓	✓	✓	✓
Hard carry case	✓	✓	✓	✓

SAL20N and SAL24N

Automatic level with 20x or 24x magnification

- ▶ Sturdy metal housing with rubber reinforcement
- ▶ Fast aperture
- ▶ Magnetically dampened compensator

Additional features

- ▶ Circular vial with penta prism
- ▶ Fine motion knobs on both sides with friction-braked rotation, endless horizontal drive
- ▶ Large focussing knob
- ▶ Target collimator
- ▶ Graduated circle with either 360 degrees or 400 gons
- ▶ Compensator lock (transport lock)

Applications

- ▶ Patios
- ▶ Landscaping
- ▶ General construction
- ▶ Foundations
- ▶ Road construction
- ▶ Excavation



Technical Specifications	SAL20ND	SAL20NG	SAL24ND	SAL24NG
Part number	F 034 068 1N7	F 034 068 1N8	F 034 068 400	F 034 068 401
Unit of measure	Degrees	Gons	Degrees	Gons
Magnification	20x	20x	24x	24x
Working range	Up to 61 m	Up to 61 m	Up to 91 m	Up to 91 m
Levelling accuracy	0.1 mm/m	0.1 mm/m	0.05 mm/m	0.05 mm/m
Angular accuracy	1°	1 gon	1°	1 gon
Compensator setting accuracy	± 0.8"	± 0.8"	± 0.8"	± 0.8"
Clear objective aperture	36 mm	36 mm	36 mm	36 mm
Length	220 mm	220 mm	220 mm	220 mm
Width	70 mm	70 mm	70 mm	70 mm
Height	150 mm	150 mm	150 mm	150 mm
Weight	1.9 kg	1.9 kg	1.9 kg	1.9 kg
Scope of delivery				
Lens cover	✓	✓	✓	✓
Plumb bob	✓	✓	✓	✓
Allen wrench	✓	✓	✓	✓
Adjusting pin	✓	✓	✓	✓
Hard carry case	✓	✓	✓	✓

SAL28N and SAL32N

Automatic level with 28x or 32x magnification

- ▶ Sturdy metal housing with rubber reinforcement
- ▶ Fast aperture
- ▶ Magnetically dampened compensator

Additional features

- ▶ Circular vial with penta prism
- ▶ Fine motion knobs on both sides with friction-braked rotation, endless horizontal drive
- ▶ Large focussing knob
- ▶ Target collimator
- ▶ Graduated circle with either 360 degrees or 400 gons
- ▶ Compensator lock (transport lock)

Applications

- ▶ Patios
- ▶ Landscaping
- ▶ General construction
- ▶ Foundations
- ▶ Road construction
- ▶ Excavation



Technical Specifications	SAL28ND	SAL28NG	SAL32ND	SAL32NG
Part number	F 034 068 A17	F 034 068 A19	F 034 068 200	F 034 068 201
Unit of measure	Degrees	Gons	Degrees	Gons
Magnification	28x	28x	32x	32x
Working range	Up to 107 m	Up to 107 m	Up to 122 m	Up to 122 m
Levelling accuracy	0.05 mm/m	0.05 mm/m	0.05 mm/m	0.05 mm/m
Angular accuracy	1°	1 gon	1°	1 gon
Compensator setting accuracy	± 0.5"	± 0.5"	± 0.3"	± 0.3"
Clear objective aperture	40 mm	40 mm	40 mm	40 mm
Length	220 mm	220 mm	220 mm	220 mm
Width	70 mm	70 mm	70 mm	70 mm
Height	150 mm	150 mm	150 mm	150 mm
Weight	1.9 kg	1.9 kg	1.9 kg	1.9 kg
Scope of delivery				
Lens cover	✓	✓	✓	✓
Plumb bob	✓	✓	✓	✓
Allen wrench	✓	✓	✓	✓
Adjusting pin	✓	✓	✓	✓
Hard carry case	✓	✓	✓	✓



LMPL20

Robust, self-levelling pipe laser for the most demanding jobsite conditions

- ▶ Long-range remote control and large display
- ▶ Dual-slope capability of $\pm 10\%$ in horizontal position using keypad and remote control
- ▶ Exceptionally high accuracy and long working range

Additional features

- ▶ Electronic self-levelling
- ▶ Robust and waterproof
- ▶ LED plumb reference
- ▶ Cross-axis levelling

Applications

- ▶ Manhole and sewer construction



Technical Specifications	LMPL20
Part number	F 034 062 2N1
Laser diode	635 – 650 nm
Laser class	3R
Accuracy	± 10 arc seconds
Working range in pipe via IR sensor	Up to 100 m
Grade range	-15% to $\sim +40\%$
Line range	$\pm 15\%$
Dust and splash protection	IP67
Power supply	NiMH battery pack/4 x D cell batteries
Operating time (max.)	40 h/60 h
Length	400 mm
Width	160 mm
Height	160 mm
Weight	4.8 kg
Scope of delivery	
RC20 remote control (F 034 069 PN1)	✓
Target set (1 608 M00 8NE)	✓
12V cable PLPC20 (1 608 M00 3N4)	✓
Leg set	✓
1 x NiMH battery pack (1 608 M00 1NK)	✓
Charger with EU/UK power cable set	✓
Hard carry case	✓



RC20

Remote control for LMPL20 pipe laser

- ▶ Robust, waterproof housing
- ▶ Long working range
- ▶ Two-way radio communication provides real-time data exchange between the remote control and the pipe laser

Applications

- ▶ Grade control
- ▶ Line control
- ▶ Menu functions
- ▶ Battery indicator
- ▶ Standby and operating modes
- ▶ Pipe laser lock (anti-tamper)
- ▶ Pulse mode

Technical Specifications	RC20
Part number	F 034 069 PN1
Range, remote control	Up to 200 m
Power supply	3 x 1.5 V LR03 (AAA)
Weight	0.2 kg
Scope of delivery	
3 x 1.5 V LR03 (AAA) batteries	✓



Accessories for Pipe Laser



59-PLMHT

Part number

- Manhole mount for the pipe laser

► Suitable for LMPL20

59-PLMHT

F 034 092 GN0



59-PLTRIVET

Part number

- Trivet plate mount that acts as a platform for the pipe laser in the manhole
Easy height adjustment to suit the pipe elevation.

► Suitable for LMPL20

59-PLTRIVET

F 034 092 EN1



59-NMH20

Part number

- Rechargeable battery pack
NiMH. 4.8 volts.

► Suitable for LMPL20

59-NMH20

1 608 M00 1NK



59-PLBP20

Part number

- Non-rechargeable battery pack
4 mono cells (alkaline).

► Suitable for LMPL20

59-PLBP20

1 608 M00 1ND

59-PLPC20

Part number

- Power cable
12 volts.

► Suitable for LMPL20

59-PLPC20

1 608 M00 3N4



59-TARGET

Part number

- Target set consisting of target holder, TARGET-S and TARGET-L

The TARGET-S (11.5 x 7 cm) and TARGET-L (24.5 x 7 cm) can be slid into the guide track of the holder from above and fixed in place using a locking screw.

► Suitable for LMPL20

59-TARGET

1 608 M00 8NE



59-TARGET-S

Part number

- Small target (11.5 x 7 cm)

► Suitable for LMPL20

59-TARGET-S

1 608 M00 8NG



59-TARGET-L

Part number

- Large target (24.5 x 7 cm)

► Suitable for LMPL20

59-TARGET-L

1 608 M00 8NF



32-401M

All-purpose measuring wheel for the most demanding jobsite conditions in construction, utilities and land surveying

- High stability and long life
- 5-digit counter, easy-to-read and impact-resistant
- Easy pushbutton reset

Additional features

- Calibrated die-cast aluminium wheel
- Robust rubber wheel tread for improved traction and durability
- Integrated stand

Applications

- Construction
- Land surveying
- Utilities



Technical Specifications	32-401M
Part number	F 034 074 5N3
Wheel diameter (circumference)	31.83 cm (1 m)
Counter reading	10,000 m
Wheel stand	✓
Wheel brake	✓
Handle	Adjustable
Material	Steel

32-416M

All-purpose steel measuring wheel for the most demanding jobsite conditions in construction, utilities and land surveying

- Exceptionally high stability and long life
- 5-digit counter, easy-to-read and impact-resistant
- Easy pushbutton reset

Additional features

- Calibrated die-cast aluminium wheel
- Robust rubber wheel tread for improved traction and durability
- Integrated stand
- Exceptionally high precision due to display of decimetres and centimetres

Applications

- Construction
- Land surveying
- Utilities



Technical Specifications	32-416M
Part number	F 034 074 9NG
Wheel diameter (circumference)	31.83 cm (1 m)
Counter reading	10,000 cm/dm/m
Wheel stand	✓
Wheel brake	✓
Handle	Adjustable
Material	Steel

31-40M

Die-cast aluminium measuring wheel with rubber tread

- ▶ High stability and long life
- ▶ 5-digit counter made of wear-resistant plastic, easy-to-read and impact-resistant
- ▶ Easy pushbutton reset

Additional features

- ▶ Die-cast aluminium wheel with rubber tread
- ▶ Folding handle
- ▶ Integrated kickstand

Applications

- ▶ Construction
- ▶ Land surveying
- ▶ Utilities



Technical Specifications	31-40M
Part number	F 034 074 5N4
Wheel diameter (circumference)	31.83 cm (1m)
Counter reading	10,000 dm/m
Wheel stand	✓
Wheel brake	–
Handle	Snap lock
Material	Aluminium

Magnetic Locators



Magna-Trak 100SC

Very sturdy, waterproof magnetic and valve rod locator

- ▶ Visual and acoustic output of measurement results
- ▶ Adjustable sensitivity and volume
- ▶ Very lightweight and ergonomic

Additional features

- ▶ Waterproof up to the housing; housing splashproof
- ▶ Sturdy and lightweight aluminium tube with durable hard rubber tip

Applications

- ▶ For locating ferromagnetic objects outdoors
- ▶ For locating objects concealed by earth, road surface, snow and water, e.g. hydrants, marker magnets, manhole covers, valve rods, surveying marks and rods, water meters, etc.



Technical Specifications	MT-100SC
Part number	F 034 082 1N0
Length	102 cm
Locating depth	Up to 2.5 m
Power supply	6 x 1.5 V LR6 (AA)
Operating time (max.)	100 h
Weight	1.3 kg
Scope of delivery	
MT100	✓
Batteries	✓
Fabric bag	✓

Magna-Trak 102

Very sturdy, waterproof magnetic and valve rod locators

- ▶ Erase function for suppressing unwanted influences from other magnetic parts
- ▶ Visual and acoustic output of measurement results
- ▶ Adjustable sensitivity and volume

Additional features

- ▶ Very lightweight and ergonomic
- ▶ Waterproof up to the housing; housing splashproof
- ▶ Sturdy and lightweight aluminium tube with durable hard rubber tip
- ▶ Indication of power cables

Applications

- ▶ For locating ferromagnetic objects outdoors
- ▶ For locating objects concealed by earth, road surface, snow and water, e.g. hydrants, marker magnets, manhole covers, valve rods, surveying marks and rods, water meters, etc.



Technical Specifications	MT-102SC	MT-102HC
Part number	F 034 082 3N0	F 034 082 3N5
Length	102 cm	102 cm
Locating depth	Up to 2.5 m	Up to 2.5 m
Power supply	6 x 1.5 V LR6 (AA)	6 x 1.5 V LR6 (AA)
Operating time (max.)	100 h	100 h
Weight	1.3 kg	1.3 kg
Scope of delivery		
MT102	✓	✓
Batteries	✓	✓
Fabric bag	✓	–
Hard carry case	–	✓

Magna-Trak 200SC

Very sturdy, waterproof magnetic and valve rod locator

- ▶ New design, easy operation, larger display
- ▶ Adjustable sensitivity and volume
- ▶ Very lightweight and ergonomic

Additional features

- ▶ Waterproof up to the housing; housing splashproof
- ▶ Sturdy and lightweight aluminium tube with durable hard rubber tip
- ▶ Indication of power cables

Applications

- ▶ For locating ferromagnetic objects outdoors
- ▶ For locating objects concealed by earth, road surface, snow and water, e.g. hydrants, marker magnets, manhole covers, valve rods, surveying marks and rods, water meters, etc.



Technical Specifications	MT-200SC
Part number	F 034 082 4N0
Length	109 cm
Locating depth	Up to 2.5 m
Power supply	6 x 1.5 V LR6 (AA)
Operating time (max.)	100 h
Weight	1.3 kg
Scope of delivery	
MT200	✓
Batteries	✓
Fabric bag	✓

Magna-Trak 202

Very sturdy, waterproof magnetic and valve rod locators

- ▶ Erase function for suppressing unwanted influences from other magnetic parts
- ▶ Visual and acoustic output of measurement results
- ▶ Adjustable sensitivity and volume
- ▶ Very lightweight and ergonomic

Additional features

- ▶ Membrane Switch
 - Lets you adjust volume and sensitivity with the same hand that holds the locator
 - No mechanical controls – membrane is sealed from dust and moisture
- ▶ Waterproof up to the housing; housing splashproof
- ▶ Sturdy and lightweight aluminium tube with durable hard rubber tip
- ▶ Indication of power cables

Applications

- ▶ For locating ferromagnetic objects outdoors
- ▶ For locating objects concealed by earth, road surface, snow and water, e.g. hydrants, marker magnets, manhole covers, valve rods, surveying marks and rods, water meters, etc.

Technical Specifications	MT-202SC	MT-202HC
Part number	F 034 082 5N0	F 034 082 5N1
Length	109 cm	109 cm
Locating depth	Up to 2.5 m	Up to 2.5 m
Power supply	6 x 1.5 V LR6 (AA)	6 x 1.5 V LR6 (AA)
Operating time (max.)	100 h	100 h
Weight	1.3 kg	1.3 kg
Scope of delivery		
MT202	✓	✓
Batteries	✓	✓
Fabric bag	✓	–
Hard carry case	–	✓





ALQCI20-B

Tripod

- ▶ Light weight aluminium tripod with quick-release clamp
- ▶ Very sturdy and robust
- ▶ Joints and shoe points made of metal

Additional features

- ▶ Lightweight, durable, thick aluminium
- ▶ Supplied with shoulder strap



Technical Specifications	ALQCI20-B
Part number	F 034 091 000
Work height	97 cm – 160 cm
Max. work height	160 cm
Transport size	97 cm
Weight	4.1 kg

ALQRI20-B

Tripod

- ▶ Medium weight aluminium tripod with quick-release clamp
- ▶ Very sturdy and robust
- ▶ Joints and shoe points made of metal

Additional features

- ▶ Durable, thick aluminium
- ▶ Supplied with shoulder strap



Technical Specifications	ALQRI20-B
Part number	F 034 091 300
Work height	107 cm – 165 cm
Max. work height	165 cm
Transport size	107 cm
Weight	5.5 kg

FGHD20

Heavy weight fibreglass tripod with quick-release clamp

- Very sturdy and robust
- Joints and shoe points made of metal
- Extra stability due to double banded legs

Additional features

- Supplied with shoulder strap
- No shrinking or swelling in changing weather and temperature conditions



Technical Specifications	FGHD20
Part number	F 034 091 PN2
Work height	107 cm – 183 cm
Max. work height	183 cm
Transport size	107 cm
Weight	7.2 kg

WDWI20

Heavy weight wooden tripod with screw clamp

- Very sturdy and robust
- Joints and shoe points made of metal
- Extra stability due to double banded, extendible legs

Additional features

- Supplied with shoulder strap
- No shrinking or swelling in changing weather and temperature conditions



Technical Specifications	WDWI20
Part number	F 034 091 VNK
Work height	107 cm – 183 cm
Max. work height	183 cm
Transport size	107 cm
Weight	7.2 kg

ALQRI10-ELAZ

Elevator tripod

- ▶ Light weight aluminium tripod with quick-release clamp
- ▶ Very sturdy and robust
- ▶ Joints and shoe points made of metal

Additional features

- ▶ Lightweight, durable, thick aluminium
- ▶ Supplied with shoulder strap



Technical Specifications	ALQRI10-ELAZ
Part number	F 034 091 1N1
Work height	84 cm – 139 cm
Max. work height with extension tube	139 cm
Transport size	84 cm
Weight	5.9 kg

ALQRI20-ELAZ

Elevator tripod

- ▶ Light weight aluminium tripod with quick-release clamp
- ▶ Very sturdy and robust
- ▶ Joints and shoe points made of metal

Additional features

- ▶ Lightweight, durable, thick aluminium
- ▶ Supplied with shoulder strap



Technical Specifications	ALQRI20-ELAZ
Part number	F 034 091 100
Work height	122 cm – 295 cm
Max. work height with extension tube	295 cm
Transport size	122 cm
Weight	7.2 kg

ALELT20

Telescopic tripod

- ▶ Light weight tripod with quick-release clamp
- ▶ Very sturdy and robust
- ▶ Joints and shoe points made of metal

Additional features

- ▶ Lightweight, durable, thick aluminium
- ▶ Supplied with shoulder strap



Technical Specifications	ALELT20
Part number	F 034 091 GN0
Work height	105 cm – 183 cm
Max. work height	183 cm
Transport size	105 cm
Weight	5.5 kg

LP12-UM

Laser pole platform system for fast levelling and alignment from the floor to the ceiling

- ▶ 60 cm long telescopic pole with 3 sections enables easy adjustment to suit any room height
- ▶ Magnetic mount with horizontal and vertical fine adjustment
- ▶ Design enables use in the smallest corners and spaces

Additional features

- ▶ Mount with quick-release clamp
- ▶ Padded base and ceiling plates



Technical Specifications	LP12-UM
Part number	F 034 093 000
Work height	10 cm – 360 cm
Max. work height	360 cm
Weight	2 kg
Scope of delivery	LP12-UM
Fabric bag	✓

Mini tripod



58-MINIT

Part number

► Mini tripod with magnet

► **Suitable for** ILMXT, ILMXTG, ILMXL, GIZLT-3, MP3, XP5, XLP34

58-MINIT

F 034 091 LN3

Tripod Accessories



60-BAG20

Part number

► Fabric bag for tripods
Up to a length of 114 cm.

60-BAG20

1 608 M00 12V



60-TFG20

Part number

► Folding tripod floor guide
Aluminium, length of 70 cm.

60-TFG20

1 608 M00 AN2



06-804M, 06-805M, 06-805MII

Telescopic staff (aluminium)

- ▶ Light and durable aluminium alloy
- ▶ Reliable and wear-resistant polycarbonate buttons lock the individual sections
- ▶ Levelling scale on the front, measuring scale on the back

Additional features

- ▶ Tight tolerances on extruded aluminium sections allow for smooth extension
- ▶ Anodised sections are imprinted with weather-resistant and corrosion-resistant inks
- ▶ Includes snap-on circular vial (06-850)



Technical Specifications	06-804M	06-805M	06-805MII
Part number	F 034 094 4N0	F 034 094 100	F 034 094 102
Unit of measure	Metric	Metric	Metric
Length	4 m	5 m	5 m
Sections	4	5	5
Material	Aluminium	Aluminium	Aluminium

06-907M

Telescopic staff (fibreglass)

- ▶ Suitable for use in water
- ▶ Corrosion-resistant, non-conductive fibreglass
- ▶ Levelling scale on the front, measuring scale on the back

Additional features

- ▶ Tight tolerances on extruded fibreglass sections allow for smooth extension
- ▶ Anodised sections are imprinted with weather-resistant and corrosion-resistant inks



Technical Specifications	06-907M
Part number	F 034 094 EN4
Unit of measure	Metric
Length	7.6 m
Sections	6
Material	Fibreglass

06-TLMB

“Cut & Fill” Rod

- ▶ Height-adjustable, sturdy aluminium measuring rod with integrated circular vial for aligning
- ▶ Scale with a fixed zero point between the red and white areas (on the front)
- ▶ Non-slip Quick-Lok™ mechanism

Additional features

- ▶ Colour-coded rod
- ▶ Red for “too high” – silver for “too low”
- ▶ Spring-loaded bottom shoe for easy extension
- ▶ Supplied with receiver mounting bracket

Applications

- ▶ For use with lasers
- ▶ Transferring and measuring heights and height differences
- ▶ Ideal for setting up ceilings and floors
- ▶ Measuring elevation profiles



Technical Specifications	06-TLMB
Part number	F 034 094 301
Unit of measure	Metric
Length	2.4 m
Sections	2
Material	Aluminium

Accessories for Staffs and “Cut & Fill” Rods

06-TLMB-BAG	Part number
▶ Fabric bag For “cut & fill” rod	
▶ Suitable for TLMB	
06-TLMB-BAG	1 608 M00 14L



06-820	Part number
▶ Fabric bag	
▶ Suitable for aluminium staffs	
06-820	1 608 M00 2ND



06-850	Part number
▶ Snap-on circular vial	
▶ Suitable for aluminium staffs	
06-850	F 034 009 2N3



Prism poles



67-4209TM

Part number

► Prism pole

Extendible, 135 to 250 cm, 2 sections, 5/8" connection, weight of 1.2 kg, metric and 1/10" graduations, with integrated circular vial.

► Suitable for prisms

67-4209TM	F 034 056 2N1
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67-4508TMA, 67-4508TML

Thread connection

Part number

► Extendible prism pole

Measuring height of 150 to 250 cm. Two sections. Outer diameter: 32 mm at bottom, 25.4 mm at top. Quick-Lok™ with adjustable height. Weight of 1.6 kg, metric and 1/10" graduations, with integrated circular vial.

► Suitable for prisms

67-4508TMA	5/8"-11	F 034 056 6N2
67-4508TML	Wild/Leica® type connection	F 034 056 6N4

67-4509TMA, 67-4509TML

Thread connection

Part number

► Extendible prism pole

Measuring height of 135 to 200 cm. Two sections. Outer diameter: 32 mm at bottom, 25.4 mm at top. Quick-Lok™ with adjustable height. Weight of 1.2 kg, metric and 1/10" graduations, with integrated circular vial.

► Suitable for prisms

67-4509TMA	5/8"-11	F 034 056 6N7
67-4509TML	Wild/Leica® type connection	F 034 056 6N8

67-4512TMA, 67-4512TML

Thread connection

Part number

► Extendible prism pole

Measuring height of 150 to 360 cm. Three sections. Outer diameter: 32 mm at bottom, 19.1 mm at top. Quick-Lok™ with adjustable height. Weight of 2 kg, metric graduations, with integrated circular vial.

► Suitable for prisms

67-4512TMA	5/8"-11	F 034 056 6NA
67-4512TML	Wild/Leica® type connection	F 034 056 6NC

67-4515TMA, 67-4515TML

Thread connection

Part number

► Extendible prism pole

Measuring height of 160 to 450 cm. Three sections. Outer diameter: 38 mm at bottom, 19.1 mm at top. Quick-Lok™ with adjustable height. Weight of 2.7 kg, metric and 1/10" graduations, with integrated circular vial.

► Suitable for prisms

67-4515TMA	5/8"-11	F 034 056 6NF
67-4515TML	Wild/Leica® type connection	F 034 056 6NH

67-4708TMA, 67-4708TML

Thread connection

Part number

► Extendible "Maxi Lite" prism pole

Measuring height of 250 cm. Two sections. Weight of 0.95 kg, with integrated circular vial.

► Suitable for prisms

67-4708TMA	5/8"-11	F 034 056 7N0
67-4708TML	Wild/Leica® type connection	F 034 056 7N1

Prism poles



67-4712TMA, 67-4712TML

Thread connection

Part number

- Extendable “Maxi Lite” prism pole

Measuring height of 360 cm. Three sections. Weight of 1.3 kg, with integrated circular vial.

- Suitable for prisms

67-4712TMA	5/8"-11	F 034 056 7N5
67-4712TML	Wild/Leica® type connection	F 034 056 7N7



67-4715TMA, 67-4715TML

Thread connection

Part number

- Extendable “Maxi Lite” prism pole

Measuring height of 460 cm. Four sections. Weight of 1.7 kg, with integrated circular vial.

- Suitable for prisms

67-4715TMA	5/8"-11	F 034 056 7NB
67-4715TML	Wild/Leica® type connection	F 034 056 7ND

Accessories for poles



67-4250, 67-4250X

Clamp

Part number

- Tripod for prism poles with diameter of 25–38 mm

Aluminium, weight of 2.9 kg.

- Suitable for prism poles

67-4250	Quick-release clamp	F 034 056 3N0
67-4250X	Thumb-release clamp	F 034 056 3N3



67-4260, 67-4260X

Clamp

Part number

- Bipod for prism poles with diameter of 25–38 mm

Aluminium, weight of 2.1 kg.

- Suitable for prism poles

67-4260	Quick-release clamp	F 034 056 3N4
67-4260X	Thumb-release clamp	F 034 056 3N7

Adapters



61-2513

Part number

- Prism adapter for Leica® type stud

Plug-in stud inner thread 5/8"-11.

- Suitable for Leica® type prisms

61-2513	F 034 057 6N6
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61-2521

Part number

- Rotating tribrach adapter

For mounting in Wild/Leica® system tribrachs. 5/8"-11 outer thread. For mounting prism systems and adapters.

- For adapting to prisms from other manufacturers

61-2521	F 034 057 6NC
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Adapters



61-2525

Part number

- Zeiss type tribrach adapter with DIN plug-in stud
For mounting in Wild/Leica® system tribrachs. Bore hole for DIN plug-in stud (Zeiss system) for mounting Zeiss prisms. DIN plug-in stud with 5/8" thread.
- **For adapting** to prisms from other manufacturers

61-2525

F 034 057 6ND



61-3510GRN

Part number

- Prism carrier with optical plummet and Leica® type mounting stud
Sensitive, adjustable vial, precision ground to an accuracy of 2 arc seconds. Rotating, green.
- **Suitable for** tribrachs with Wild/Leica® system claw adapter

61-3510GRN

F 034 057 8N1



61-3520

Part number

- Wild system prism carrier
Without plummet. Fixed. With Leica® type mounting system.
- **Suitable for** tribrachs with Wild/Leica® system claw adapter

61-3520

F 034 057 8N7



61-4500BLK

Part number

- Tribrach with optical plummet
Black.
- **Suitable for** theodolites and total stations

61-4500BLK

F 034 057 2N0



61-4635BLK

Part number

- Tribrach with laser plummet
Laser plummet < 2 mm at 2 m. Black.
- **Suitable for** theodolites and total stations

61-4635BLK

F 034 057 4N1

Double right angle penta prism



66-911

Part number

- Precise double right angle penta prism in a leather pouch
Large centre lens with yellow filter, which permits foresight viewing.

66-911

F 034 055 DN3

